

**Department of Natural Resources and Environmental Control  
Division of Air Quality  
PERMIT APPLICATION**

**AQM-1001E**

**SURFACE COATING (or)  
PRINTING OPERATIONS**

**SECTION I: GENERAL**

1. Type of Parts Coated (Check the appropriate box(es))

- |   |   |
|---|---|
| A. <input type="checkbox"/> Aerospace Coating                       | I. <input type="checkbox"/> Vinyl Coating                     |
| B. <input type="checkbox"/> Motor Vehicle Repair and Refinishing    | J. <input type="checkbox"/> Metal Furniture Coating           |
| C. <input type="checkbox"/> Plastic Parts Coating                   | K. <input type="checkbox"/> Large Appliance Coating           |
| D. <input type="checkbox"/> Automobile and Light-Duty Truck Coating | L. <input type="checkbox"/> Magnet Wire Coating               |
| E. <input type="checkbox"/> Can Coating                             | M. <input type="checkbox"/> Miscellaneous Metal Parts Coating |
| F. <input type="checkbox"/> Coil Coating                            | N. <input type="checkbox"/> Flat Wood Paneling Coating        |
| G. <input type="checkbox"/> Paper Coating                           | O. <input type="checkbox"/> Graphic Arts Systems Printing     |
| H. <input type="checkbox"/> Fabric Coating                          | P. <input type="checkbox"/> Offset Lithographic Printing      |
| X. <input type="checkbox"/> Other ( <i>specify</i> ):               |   |

(For A through P refer to the specific Regulation, 7 DE Admin. Code 1124)

2. Description of the surface coating or printing operation:

3. ATTACH A PROCESS FLOW DIAGRAM. Show entry and exit points of all materials and finished products. Label all materials including airborne contaminants, other waste materials, all process equipment, control equipment, and stacks, vents. (In Item 1, above, if any of the boxes marked A through P was checked, skip SECTION II and complete SECTIONS III, IV AND V; If box X (other) was checked, complete SECTIONS II, III, and V.)

**SECTION II: NON-SPECIFIC COATING OPERATIONS (as referred to in SECTION 1, Item 1X)**

Complete the following information for each general type of surface coating or printing material.  
Make additional copies of this section if more space is needed

4. UNMIXED COATING (*as purchased before thinning*):

Coating employed:  
 Coating I.D. Number (if any):  
 Density:           lb/gal  
 Maximum Usage:       gal/hr;       gal/day;       gal/yr  
 Composition of the Coating (% by weight):  
 Attach MSDS sheets with the chemical composition for each coating, thinner and clean-up solvent.  
 Pigment:       %; Vehicle:       %; Organic Solvent:       %; Water:       %

SOLVENT COMPOSITION (*include water, if any*):

SOLVENT COMPOSITION	% BY VOLUME	SOLVENT COMPOSITION	% BY VOLUME

Is the above material photochemically reactive? YES

**SECTION II (Continued)**

5. THINNER

If thinner is used, list the type and amount of thinner used:

Type (e.g. xylene, naptha, mineral spirits, water, etc.):

Maximum Usage:        gal/hr;        gal/day;        gal/yr.

**SECTION III: APPLICATOR DATA**

Submit one Applicator Sheet (Section III) for each surface coating applicator (e.g.: Each spray booth, dip tank, flow coater, etc.) However, if this data is applicable for more than one applicator of the same type (e.g., two spray booths), indicate the applicator I.D. Numbers for which the data is applicable in Item 6:

6. (Assign a separate I.D. Number to each applicator)

Applicator I.D. Number:

Date Installed:    /    /

7. Mode of Surface Coating:

A.  Continuous         Batch         Other (*specify*):

B.  Manual         Automatic

8. Type of Applicator (*Check the appropriate boxes*):

A.  Spray         Air Gun         Electrostatic         Other (*specify*):

B.  Electrodeposition    Tank Dimensions:    Length:        ft; Width:        ft; Height:        ft  
Capacity:        gallons

C.  Dip Tank

D.  Flow Coating

E.  Roll Coating         Rotogravure         Flexography         Other (*specify*):

F.  Brush

G.  Other (*specify*):

9. Type and amount of clean-up solvent(s) used (*attach a Material Safety Data Sheet with chemical compositions*):

Type:                    Maximum Usage:        gal/hr;        gal/day;        gal/yr

10. Temperature of coating material, as applied:        °F

If the coated product goes to an oven, temperature of oven:        °F

11. Operating Details:

A. Maximum hours per day in operation:        hours

B. Maximum Usage:        gal/hr;        gal/day;        gal/yr

C. Maximum Annual Operating Hours:        hours





**SECTION V CONTROL EQUIPMENT FOR VOC**

16. List the applicator I.D. Numbers for which this data is applicable:

17. Type of control equipment (*Check the applicable box(es)*):

- None
- Incineration/temperature:            °F; Thermal
- Adsorption, *describe*:
- Condensation, *describe*:
- Other, *describe*:

18. Manufacturer or Description:

Date Installed:    /    /

19. Control Efficiency Estimate:            %

Basis (check appropriate box):

- Design Data
- Emission Test            Date of Test:    /    /
- Other                            Specify:

20. If incineration is used, then complete the following fuel usage information:

	<b>TYPE OF FUEL</b>	<b>MAXIMUM HOURLY USAGE</b>	<b>MAXIMUM ANNUAL USAGE</b>	<b>HIGHER HEATING VALUE (specify units)</b>	<b>% SULFUR</b>	<b>% ASH</b>
<b>Primary</b>						
<b>Secondary</b>						

21. Complete AQM-1001K